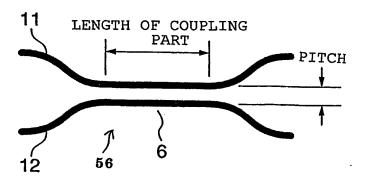


Fig. 3



3 /22

Fig. 4A

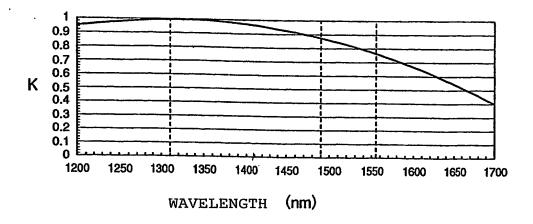
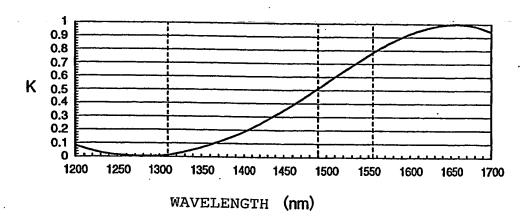


Fig. 4B



WO 2005/071453 PCT/JP2005/001295

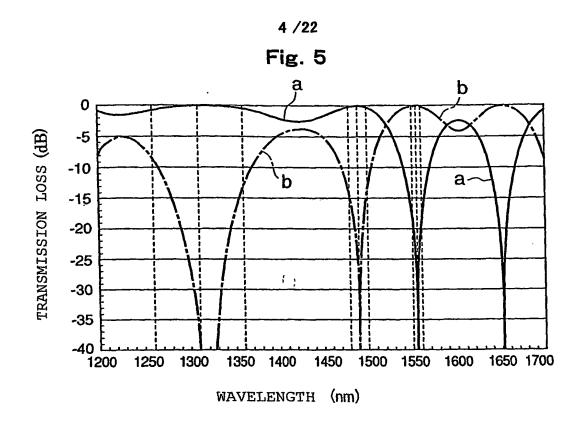
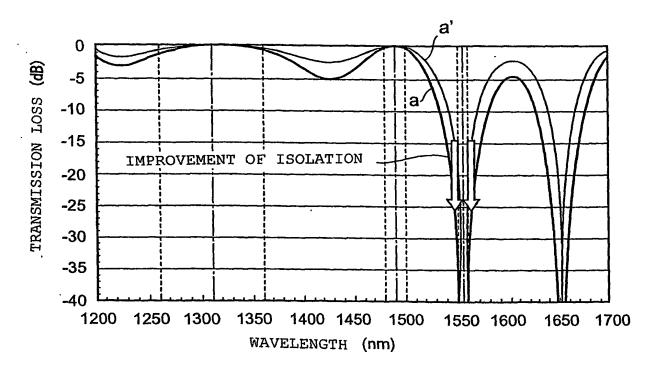


Fig. 6





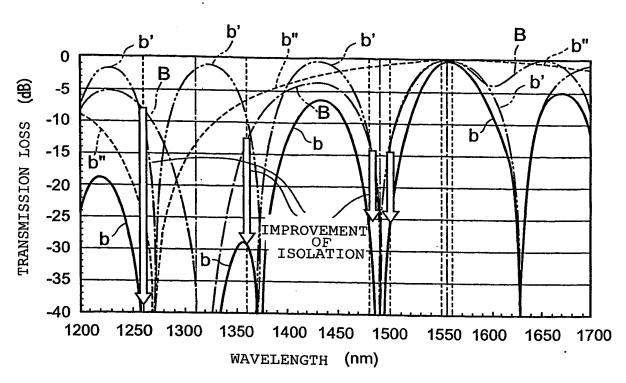
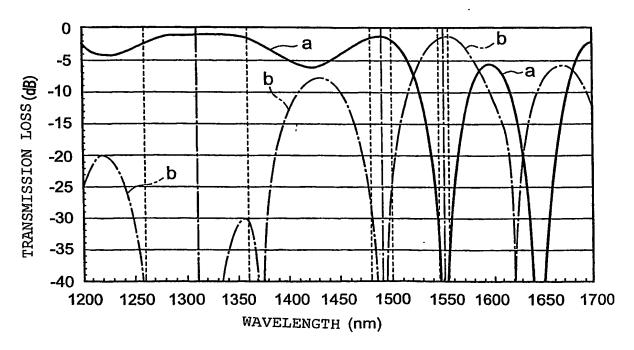


Fig. 8



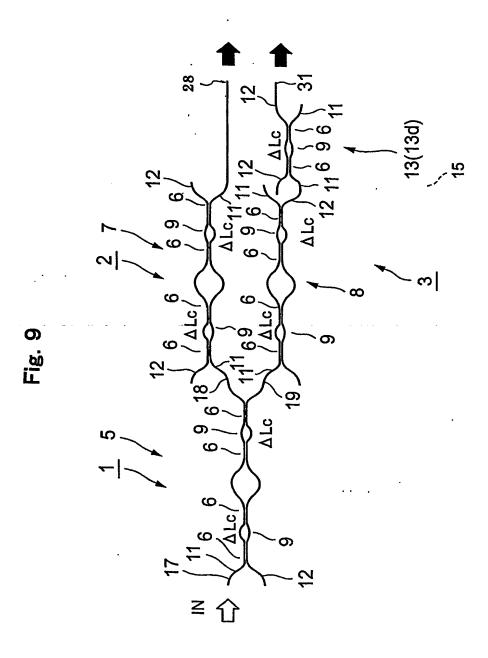
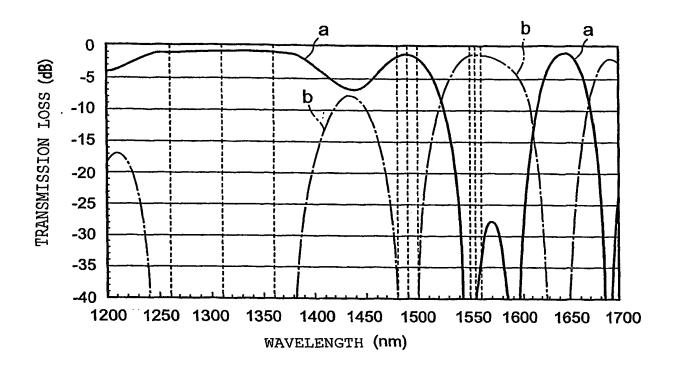
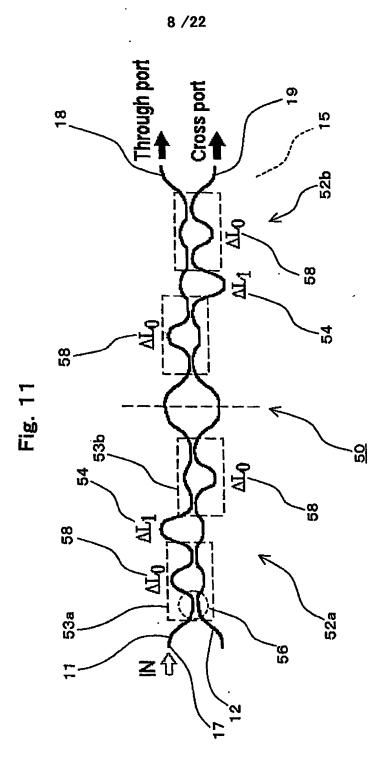
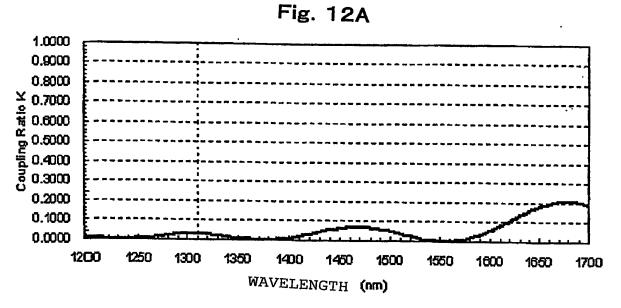


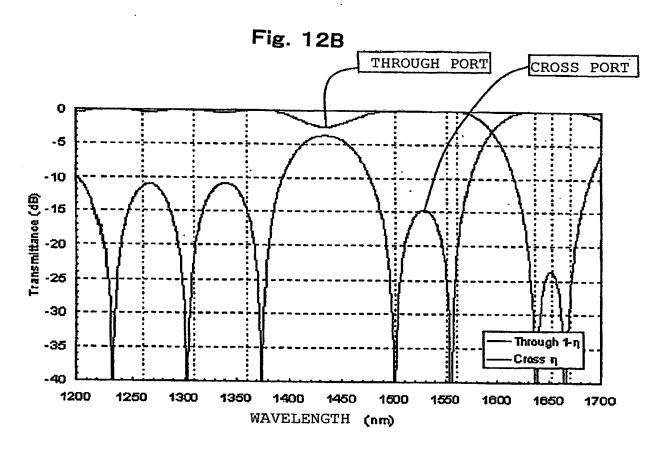
Fig. 10





9 /22 Fig. 10 A







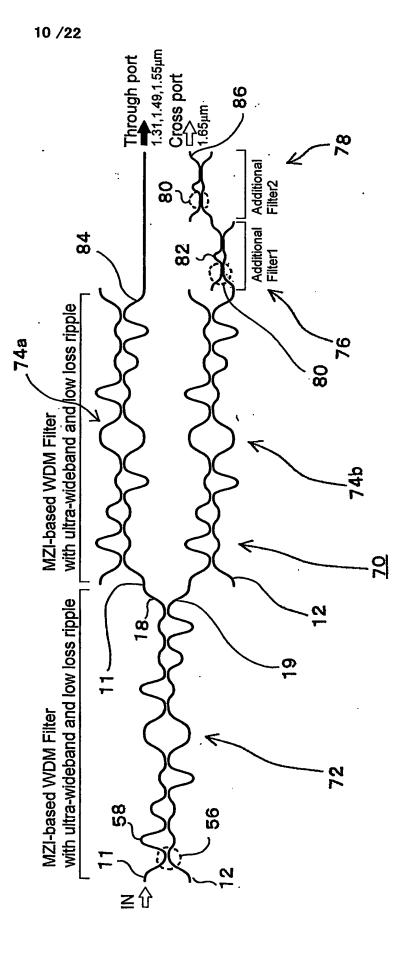


Fig. 13

WO 2005/071453 PCT/JP2005/001295

Fig. 14

11 /22

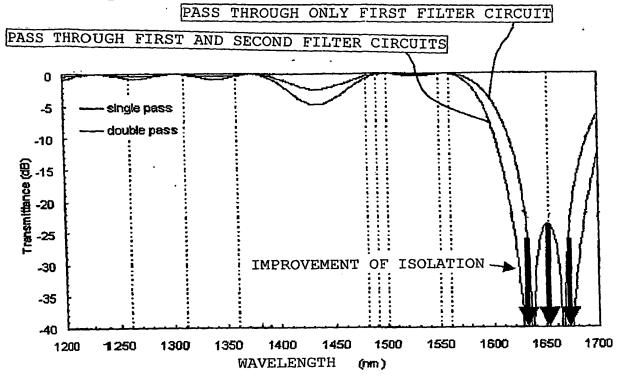
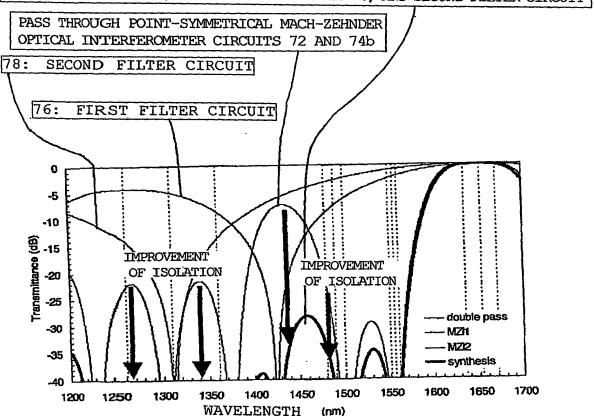


Fig. 15

PASS THROUGH POINT-SYMMETRICAL MACH-ZEHNDER OPTICAL INTERFEROMETER CIRCUITS 72 AND 74b, FIRST FILTER CIRCUIT 76, AND SECOND FILTER CIRCUIT



12 /22 Fig. 16

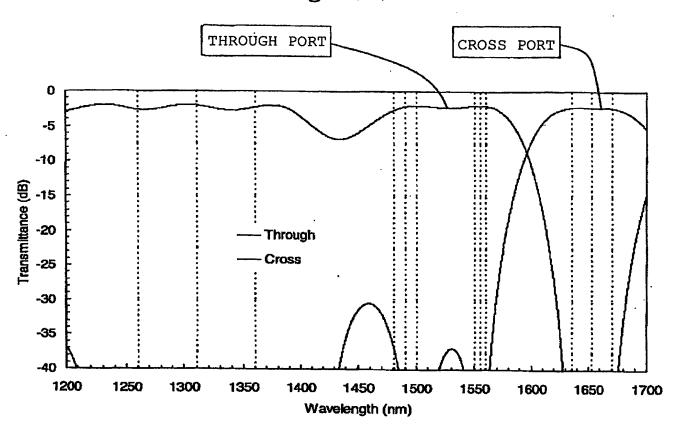
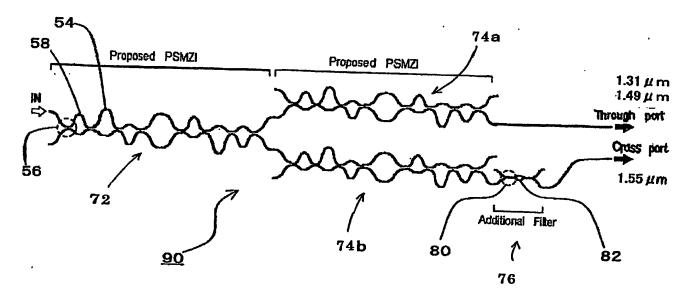


Fig. 17



WO 2005/071453 PCT/JP2005/001295

13 /22 Fig. 18

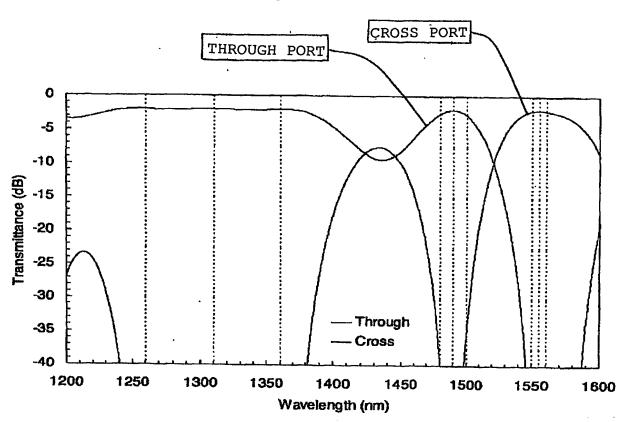
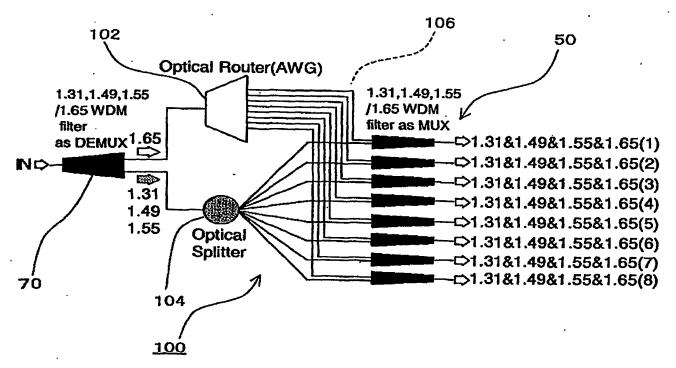
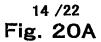


Fig. 19





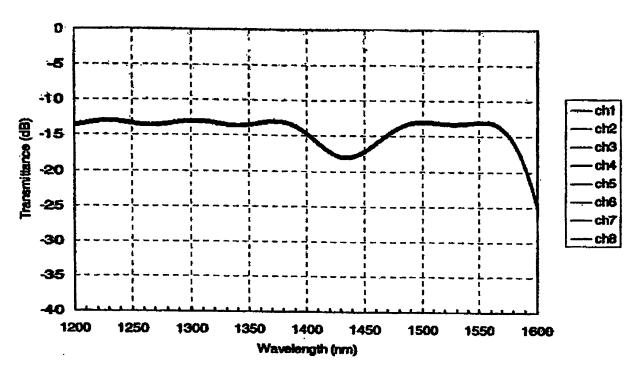


Fig. 20B

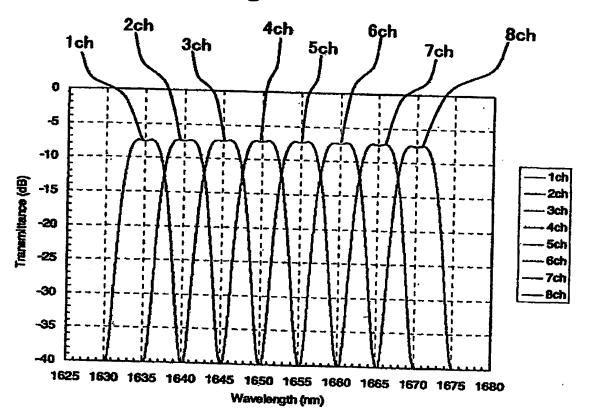
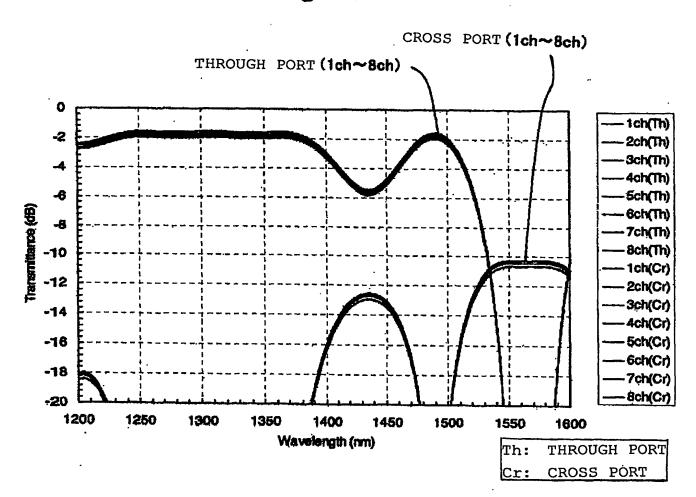
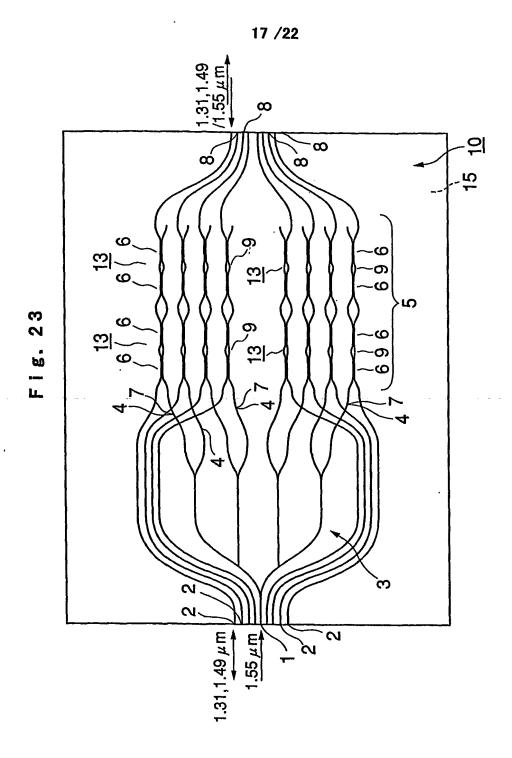
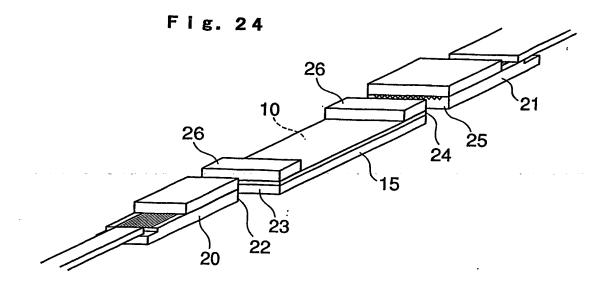


Fig. 21 1.31 µ m 1.49 µ m

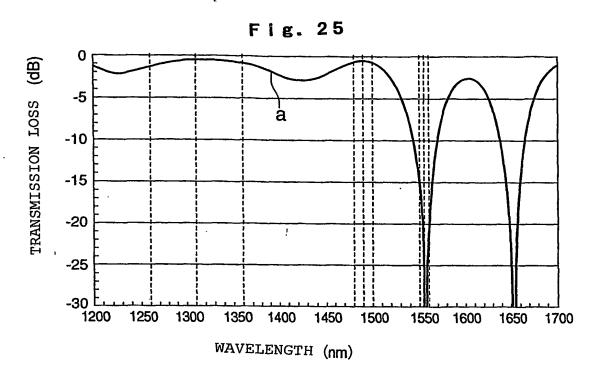
Fig. 22







19 /22



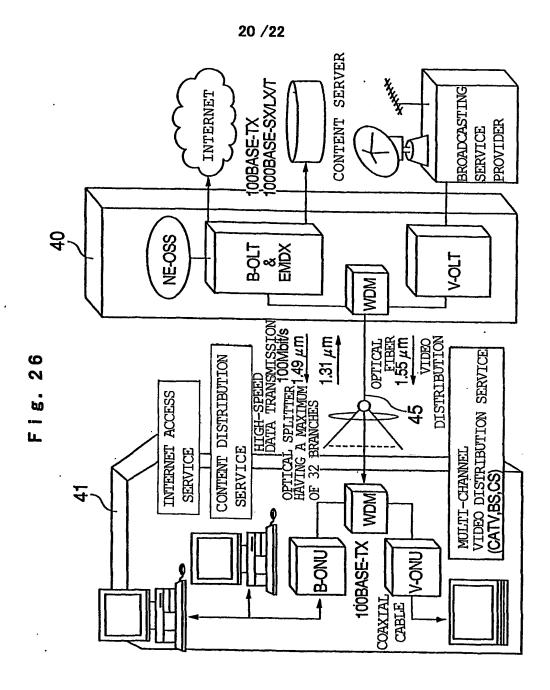


Fig. 27

